

AMENDMENTS

Kindly cancel claims 1-33 of the application as filed and replace them with the following:

Claim 1 (new): An aqueous, antimicrobial hand cleansing liquid formulation that is dispensed as a foam comprising:

an antimicrobial agent having a phenol moiety; and

between about 5% by weight and about 20% by weight of a first anionic surfactant wherein the viscosity of the formulation is about 10 centipoise at 24° C.

Claim 2 (new): The formulation of claim 1 wherein the antimicrobial agent is selected from the group consisting of triclosan and para-chlorometa-xlenol.

Claim 3 (new): The formulation of claim 2 further comprising either a second anionic surfactant, a nonionic surfactant, an amphoteric surfactant, or a combination of surfactants, and wherein the formulation comprises between about 20.5% by weight and about 35% by weight of the combined surfactants.

Claim 4 (new): The formulation of claim 3 wherein the formulation is free of thickeners.

Claim 5 (new): The formulation of claim 4 wherein the pH of the formulation is between 5 and 8.

Claim 6 (new): The formulation of claim 4 wherein the pH of the formulation is between 7 and 8.

Claim 7 (new): The formulation of claim 1 wherein the first anionic surfactant is a foam boosting anionic surfactant.

Claim 8 (new): The formulation of claim 7 wherein the first anionic surfactant is a C₈-C₁₈ acylisethionate.

Claim 9 (new): The formulation of claim 8 wherein the first anionic surfactant is ammonium cocoyl isethionate.

Claim 10 (new): The formulation of claim 3 wherein the second anionic surfactant is between about 2% by weight and about 12% by weight of the formulation.

Claim 11 (new): The formulation of claim 10 wherein the antimicrobial agent is soluble in the second anionic surfactant.

Claim 12 (new): The formulation of claim 11 wherein the second anionic surfactant is selected from the group consisting of sulfated alkyl phenol ethoxylates, alkyl-aryl sulfonates, aliphatic sulfonates, and aromatic sulfonates.

Claim 13 (new): The formulation of claim 3 wherein the amphoteric surfactant is between about 2% by weight and about 12% by weight of the formulation.

Claim 14 (new): The formulation of claim 13 wherein the amphoteric surfactant is a foam building amphoteric surfactant.

Claim 15 (new): The formulation of claim 14 wherein the amphoteric surfactant is selected from the group consisting of ammonium fatty sulfo succinates, alkanolamides, and amine oxides.

Claim 16 (new): The formulation of claim 3 wherein the nonionic surfactant is between about 1% by weight and about 6% by weight of the formulation.

Claim 17 (new): The formulation of claim 16 wherein the nonionic surfactant is selected from a group consisting of oxypropylene and oxyethylene condensates having a molecular weight range between 1000 and 15,000, alkylphenol ethoxylates and primary alcohol ethoxylates.

Claim 18 (new): An aqueous, antimicrobial formulation to be dispensed from a foam forming device comprising:

- an antimicrobial agent having a phenol moiety;
- between about 5% by weight and about 20% by weight of a first anionic surfactant;
- a second anionic surfactant
- an amphoteric surfactant;
- a nonionic surfactant; and
- a non-aqueous solvent wherein the viscosity of the formulation is about 10 centipoise at 24° C.

Claim 19 (new): The formulation of claim 18 wherein the antimicrobial agent is selected from the group consisting of triclosan and para-chlorometa-xyleneol.

Claim 20 (new): The formulation of claim 18 wherein the formulation comprises between about 20.5% by weight and about 35% by weight of the combined surfactants.

Claim 21 (new): The formulation of claim 18 wherein the first anionic surfactant is a foam boosting anionic surfactant.

Claim 22 (new): The formulation of claim 21 wherein the first anionic surfactant is a C₈-C₁₈ acylisethionate.

Claim 23 (new): The formulation of claim 22 wherein the first anionic surfactant is ammonium cocoyl isethionate.

Claim 24 (new): The formulation of claim 20 wherein the second anionic surfactant is between about 2% by weight and about 12% by weight of the formulation.

Claim 25 (new): The formulation of claim 24 wherein the antimicrobial agent is soluble in the second anionic surfactant.

Claim 26 (new): The formulation of claim 25 wherein the second anionic surfactant is selected from the group consisting of sulfated alkyl phenol ethoxylates, alkyl-aryl sulfonates, aliphatic sulfonates, and aromatic sulfonates.

Claim 27 (new): The formulation of claim 20 wherein the amphoteric surfactant is between about 2% by weight and about 12% by weight of the formulation.

Claim 28 (new): The formulation of claim 27 wherein the amphoteric surfactant is a foam building amphoteric surfactant.

Claim 29 (new): The formulation of claim 28 wherein the amphoteric surfactant is selected from the group consisting of ammonium fatty sulfo succinates, alkanolamides, and amine oxides.

Claim 30 (new): The formulation of claim 20 wherein the nonionic surfactant is between about 1% by weight and about 6% by weight of the formulation.

Claim 31 (new): The formulation of claim 30 wherein the nonionic surfactant is selected from a group consisting of oxypropylene and oxyethylene condensates having a molecular weight range between 1000 and 15,000, alkylphenol ethoxylates and primary alcohol ethoxylates.

Claim 32 (new): The formulation of claim 20 wherein the non-aqueous solvent is between about 1% by weight and about 8% by weight of the formulation.

Claim 33 (new): The formulation of claim 32 wherein the non-aqueous solvent is selected from a group consisting of glycols, alcohols, ethyl acetate, acetone, and triacetin.

Claim 34 (new): The formulation of claim 18 wherein the pH of the formulation is between 5 and 8.

Claim 35 (new): The formulation of claim 18 wherein the pH of the formulation is between 7 and 8.

Claim 36 (new): The formulation of claim 18 wherein the formulation is free of thickeners.

Claim 37 (new): An aqueous, foamable antimicrobial hand cleansing liquid formulation that is dispensed as a foam comprising:

an antimicrobial agent having a phenol moiety; and

between about 20.5% by weight and about 35% by weight of a combination of anionic, amphoteric, and nonionic surfactants wherein the viscosity of the formulation is about 10 centipoise at 24° C.

Claim 38 (new): The formulation of claim 37 wherein the antimicrobial agent is selected from the group consisting of triclosan and para-chlorometa-xyleneol.

Claim 39 (new): The formulation of claim 37 wherein the anionic surfactant is between about 7% by weight and about 22% by weight of the formulation.

Claim 40 (new): The formulation of claim 37 wherein the anionic surfactant is a combination of a first anionic surfactant and a second anionic surfactant.

Claim 41 (new): The formulation of claim 40 wherein the first anionic surfactant is between 5% by weight and 20% by weight of the formulation.

Claim 42 (new): The formulation of claim 41 wherein the first anionic surfactant is a foam boosting anionic surfactant.

Claim 43 (new): The formulation of claim 42 wherein the first anionic surfactant is a C₈-C₁₈ acylisethionate.

Claim 44 (new): The formulation of claim 43 wherein the first anionic surfactant is ammonium cocoyl isethionate.

Claim 45 (new): The formulation of claim 40 wherein the second anionic surfactant is between 2% by weight and 12% by weight of the formulation.

Claim 46 (new): The formulation of claim 45 wherein the antimicrobial agent is soluble in the second anionic surfactant.

Claim 47 (new): The formulation of claim 46 wherein second anionic surfactant is selected from the group consisting of sulfated alkyl phenol ethoxylates, alkyl-aryl sulfonates, aliphatic sulfonates, and aromatic sulfonates.

Claim 48 (new): The formulation of claim 37 wherein the amphoteric surfactant is between about 2% by weight and about 12% of the formulation.

Claim 49 (new): The formulation of claim 48 wherein the amphoteric surfactant is a foam building amphoteric surfactant.

Claim 50 (new): The formulation of claim 49 wherein the amphoteric surfactant is selected from the group consisting of ammonium fatty sulfo succinates, alkanolamides, and amine oxides.

Claim 51 (new): The formulation of claim 37 wherein the nonionic surfactant is between about 1% by weight and about 6% by weight of the formulation.

Claim 52 (new): The formulation of claim 51 wherein the nonionic surfactant is selected from a group consisting of oxypropylene and oxyethylene condensates having a molecular weight range between 1000 and 15,000, alkylphenol ethoxylates and primary alcohol ethoxylates.

Claim 53 (new): The formulation of claim 37 wherein the pH of the formulation is between 5 and 8.

Claim 54 (new): The formulation of claim 37 wherein the pH of the formulation is between 7 and 8.

Claim 55 (new): The formulation of claim 37 wherein the formulation is free of thickeners.

Claim 56 (new): An aqueous, antimicrobial formulation to be dispensed from a foam forming device comprising:

between about 0.5% by weight and about 4% by weight of an antimicrobial agent having a phenol moiety;

between about 5% by weight and about 20% by weight of a first anionic surfactant;
between about 2% by weight and 12% by weight of a second anionic surfactant;
between about 2% by weight and about 12% by weight of an amphoteric surfactant;
between about 1% by weight and about 6% by weight of a nonionic surfactant; and
between about 1% by weight and about 8% by weight of a non-aqueous solvent wherein
the viscosity of the formulation is about 10 centipoise at 24° C.

Claim 57 (new): The formulation of claim 56 wherein the antimicrobial agent is selected from the group consisting of triclosan and para-chlorometa-xlenol.

Claim 58 (new): The formulation of claim 56 wherein the first anionic surfactant is a foam boosting anionic surfactant.

Claim 59 (new): The formulation of claim 58 wherein the first anionic surfactant is a C₈-C₁₈ acylisethionate.

Claim 60 (new): The formulation of claim 59 wherein the first anionic surfactant is ammonium cocoyl isethionate.

Claim 61 (new): The formulation of claim 56 wherein the antimicrobial agent is soluble in the second anionic surfactant.

Claim 62 (new): The formulation of claim 61 wherein the second anionic surfactant is selected from the group consisting of sulfated alkyl phenol ethoxylates, alkyl-aryl sulfonates, aliphatic sulfonates, and aromatic sulfonates.

Claim 63 (new): The formulation of claim 56 wherein the amphoteric surfactant is a foam building amphoteric surfactant.

Claim 64 (new): The formulation of claim 63 wherein the amphoteric surfactant is selected from the group consisting of ammonium fatty sulfo succinates, alkanolamides, and amine oxides.

Claim 65 (new): The formulation of claim 56 wherein the nonionic surfactant is selected from a group consisting of oxypropylene and oxyethylene condensates having a molecular weight range between 1000 and 15,000, alkylphenol ethoxylates and primary alcohol ethoxylates.

Claim 66 (new): The formulation of claim 56 wherein the non-aqueous solvent is selected from a group consisting of glycols, alcohols, ethyl acetate, acetone, and triacetin.

Claim 67 (new): The formulation of claim 56 wherein the pH of the formulation is between 5 and 8.

Claim 68 (new): The formulation of claim 56 wherein the pH of the formulation is between 7 and 8.

Claim 69 (new): The formulation of claim 56 wherein the formulation is free of thickeners.

Claim 70 (new): A method to foam a solution to be used for hand cleansing comprising the steps:

providing an aqueous solution comprising an antimicrobial agent having a phenol moiety; between about 5% by weight and about 20% by weight of a first anionic surfactant wherein the viscosity of the formulation is about 10 centipoise at 24° C; and

dispensing the solution from a foam generating dispenser.

Claim 71 (new): The method of claim 70 wherein the antimicrobial agent is selected from the group consisting of triclosan and para-chlorometa-xlenol.

Claim 72 (new): The method of claim 70 wherein the solution further comprises either a second anionic surfactant, a nonionic surfactant, an amphoteric surfactant, or a combination of surfactants, and wherein the formulation comprises between about 20.5% by weight and about 35% by weight of the combined surfactants.

Claim 73 (new): The method of claim 70 wherein the anionic surfactant is a foam boosting anionic surfactant.

Claim 74 (new): The method of claim 73 wherein anionic surfactant is a C₈-C₁₈ acylisethionate.

Claim 75 (new): The method of claim 74 wherein the anionic surfactant is ammonium cocoyl isethionate.

Claim 76 (new): The method of claim 72 wherein the second anionic surfactant is between about 2% by weight and about 12% by weight of the formulation.

Claim 77 (new): The method of claim 76 wherein the antimicrobial agent is soluble in the second anionic surfactant.

Claim 78 (new): The method of claim 77 wherein the second anionic surfactant is selected from the group consisting of sulfated alkyl phenol ethoxylates, alkyl-aryl sulfonates, aliphatic sulfonates, and aromatic sulfonates.

Claim 79 (new): The method of claim 72 wherein the amphoteric surfactant is between about 2% by weight and about 12% by weight of the formulation.

Claim 80 (new): The method of claim 79 wherein the amphoteric surfactant is a foam building amphoteric surfactant.

Claim 81 (new): The method of claim 80 wherein the amphoteric surfactant is selected from the group consisting of ammonium fatty sulfo succinates, alkanolamides, and amine oxides.

Claim 82 (new): The method of claim 72 wherein the nonionic surfactant is between about 1% by weight and about 6% by weight of the formulation.

Claim 83 (new): The method of claim 82 wherein the nonionic surfactant is selected from a group consisting of oxypropylene and oxyethylene condensates having a molecular

weight range between 1000 and 15,000, alkylphenol ethoxylates and primary alcohol ethoxylates.

Claim 84 (new): The method of claim 70 wherein the pH of the formulation is between 5 and 8.

Claim 85 (new): The method of claim 70 wherein the pH of the formulation is between 7 and 8.

Claim 86 (new): The formulation of claim 70 wherein the formulation is free of thickeners.